

PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Keiya Ozawa et al. Art Unit:

Serial No.: To Be Assigned Examiner:

Filed: July 13, 2001 Customer No.: 21559

Title: GENE THAT IMPARTS SELECTIVE PROLIFERATIVE ACTIVITY

Assistant Commissioner For Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Under 35 U.S.C. § 120, this application relies on the earlier filing date of application serial number 09/142,305, filed on September 10, 1999. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application:

Aki et al., "Identification and Characterization of Positive Regulatory Elements in the Human Glyceraldehyde 3-Phosphate Dehydrogenase Gene Promoter," *J. Biochem.* 122:271-278 (1997).

Avalos, "Molecular Analysis of the Granulocyte Colony-Stimulating Factor Receptor," *Blood* 88:761-777 (1996).

Berthois et al., "Phenol red in tissue culture media is a weak estrogen: Implications concerning the study of estrogen-responsive cells in culture," *Proc. Natl. Acad. Sci. USA* 83:2496-2500 (1986).

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Danielian et al., "Identification of Residues in the Estrogen Receptor That Confer Differential Sensitivity to Estrogen and Hydroxytamoxifen," *Molecular Endocrinology* 7:232-240 (1993).

Dong et al., "Distinct Cytoplasmic Regions of the Human Granulocyte Colony-Stimulating Factor Receptor Involved in Induction of Proliferation and Maturation," *Molecular and Cellular Biology* 13:7774-7781 (1993).

Dunbar et al., "Gene Transfer into Hematopoietic Progenitor and Stem Cells: Progress and Problems," *Stem Cells* 12:563-576 (1994).

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Fukunaga et al., "Functional domains of the granulocyte colony-stimulating factor receptor," *The EMBO Journal* 10:2855-2865 (1991).

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Gossen et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," *Proc. Natl. Acad. Sci. USA* 89:5547-5551 (1992).

Hanania et al., "Serial transplantation shows that early hematopoietic precursor cells are transduced by *MDR-1* retroviral vector in a mouse gene therapy model," *Cancer Gene Therapy* 1:21-25 (1994).

Haniu et al., "Extracellular Domain of Granulocyte-Colony Stimulating Factor Receptor," *Archives of Biochemistry and Biophysics* 324:344-356 (1995).

Hockenbery et al., "Bcl-2 Functions in an Antioxidant Pathway to Prevent Apoptosis," *Cell* 75:241-251 (1993).

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Hope et al., "*trans*-Dominant Inhibition of Human Immunodeficiency Virus Type 1 Rev Occurs through Formation of Inactive Protein Complexes," *Journal of Virology* 66:1849-1855 (1992).

Hudak et al., "FLT3/FLK2 Ligand Promotes the Growth of Murine Stem Cells and the Expansion of Colony-Forming Cells and Spleen Colony-Forming Units," *Blood* 85:2747-2755 (1995).

Ikebuchi et al., "Granulocyte colony-stimulating factor enhances interleukin 3-dependent proliferation of multipotential hemopoietic progenitors," *Proc. Natl. Acad. Sci. USA* 85:3445-3449 (1988).

Ito et al., "Development of a Novel Selective Amplifier Gene for Controllable Expansion of Transduced Hematopoietic Cells," *Blood* 90:3884-3892 (1997).

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Luo et al., "Oligomerization activates c-Raf-1 through a Ras-dependent mechanism," *Nature* 383:181-185 (1996).

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Nagamune et al., "The development of artificial receptor-expressing cells capable of being switched by antigen-antibody reactions," *Pharmacia* 36(6):474-478 (2000). (English translation attached).

Pawliuk et al., "Selection of Retrovirally Transduced Hematopoietic Cells Using CD24 as a Marker of Gene Transfer," *Blood* 84:2868-2877 (1994).

Picard et al., "A Movable and Regulable Inactivation Function within the Steroid Binding Domain of the Glucocorticoid Receptor," *Cell* 54:1073-1080 (1988).

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Roemer et al., "Modulation of cell proliferation and gene expression by a p53-estrogen receptor hybrid protein," *Proc. Natl. Acad. Sci. USA* 90:9252-9256 (1993).

Romano et al., "Recent Advances, Prospects and Problems in Designing New Strategies for Oligonucleotide and Gene Delivery in Therapy," *in vivo* 12:59-68 (1998).

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Takebayashi et al., "Hormone-induced Apoptosis by Fas-Nuclear Receptor Fusion Proteins: Novel Biological Tools for Controlling Apoptosis *in Vivo*," *Cancer Research* 56:4164-4170 (1996).

Tong et al., "In Vivo Administration of Recombinant Methionyl Human Stem Cell Factor Expands the Number of Human Marrow Hematopoietic Stem Cells," *Blood* 82:784-791 (1993).

Walsh et al., "A Functionally Active Retrovirus Vector for Gene Therapy in Fanconi Anemia Group C," *Blood* 84:453-459 (1994).

Welte et al., "Filgrastim (r-metHuG-CSF): The First 10 Years," *Blood* 88:1907-1929 (1996).

White et al., "Molecular Analysis of the Region of Distal 1p Commonly Deleted in Neuroblastoma," *European Journal of Cancer* 33:1957-1961 (1997).

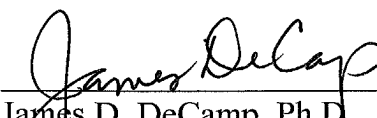
Yoshikawa et al., "Distinct signal transduction through the tyrosine-containing domains of the granulocyte colony-stimulating factor receptor," *The EMBO Journal* 14:5288-5296 (1995).

Submission of this statement is not a representation that a search has been made, nor is information included in this statement an admission that the information is material to patentability.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 13 July 2001


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21559
PATENT TRADEMARK OFFICE

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50026/012004		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.		To Be Assigned		
		Applicant		Keiyo Ozawa		
		Filing Date		July 13, 2001		
		Group				
		IDS Filed		July 13, 2001		
(37 C.F.R. §1.98(b))						
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
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	Avalos, "Molecular Analysis of the Granulocyte Colony-Stimulating Factor Receptor," Blood 88:761-777 (1996).					
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EXAMINER			DATE CONSIDERED			
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SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. §1.98(b))	Attorney Docket No. 50026/012004 Serial No. To Be Assigned Applicant Kelya Ozawa Filing Date July 13, 2001 Group IDS Filed July 13, 2001
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Fukunaga et al., "Functional domains of the granulocyte colony-stimulating factor receptor," The EMBO Journal 10:2855-2865 (1991).
	Fukunaga et al., "Purification and Characterization of the Receptor for Murine Granulocyte Colony-stimulating Factor," The Journal of Biological Chemistry 265:14008-14015 (1990).
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